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News

From Air-Conditioning and Refrigeration Institute • 1815 N. Fort Myer Drive, Arlington, Virginia 22209
For further information contact: Ray Durazo or Susan Queeney (703) 524-8800 Telex: 89-2351

FOR IMMEDIATE RELEASE

November 11, 1981

ARI ANNOUNCES SEPTEMBER UNITARY SHIPMENTS

September U.S. shipments of unitary air-conditioners and heat pumps were 149,145. This was an decrease of 10.2% from September 1980. Year-to-date shipments were 1,962,390, up 17.5% as compared to January-September figures a year ago.

Included in the total figures were September shipments of heat pumps which were 34,482. This is a decrease of .2% compared to shipments in September 1980. The cumulative shipments for heat pumps for the first 9 months of 1981 were 394,091. This is an increase of 24.8% over the same period of 1980.

September factory stocks are up 74,500 units over August and are up about 83,000 units over September, 1980.

September distributor shipments were down 24% from September a year ago. The year-to-date shipments are up 4%.

Distributor inventories are up 7,000 units compared to August and are up some 87,500 units over September 1980.

September U.S. dollar bookings of Large Tonnage Liquid Chillers were down 11%, thus making the year-to-date up 18% compared with 1980.

September U.S. dollar bookings of reciprocating liquid chillers were down 3.0% with a year-to-date gain of 19%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date SEPTEMBER, 1981

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			
			CONDENSER-TYPE		U.S. TOTAL C	% CHGE. FROM 1980
			AIR OR EVAP. COOLED A	WATER COOLED B		
CONDENSED SUMMARY BY SIZE	Under 16.5		2227		2227	5.4-
	16.5-21.9		12315	32	12347	10.1-
	22-26.9		29183		29183	9.6-
	27-32.9		24844	33	24877	17.8-
	33-38.9		32368	76	32444	17.1-
	39-43.9		11055	35	11090	14.9-
	44-53.9		14969		14969	.9-
	54-64.9		13696	174	13870	6.5+
	65-96.9		3043	110	3153	28.2+
	97-134.9		2311	87	2398	12.1+
	135-184.9		1243	26	1269	.2-
	185-249.9		449	21	470	10.3+
	250-319.9		326	8	334	9.7-
	320-379.9		165	14	179	35.6+
	380-539.9		169		169	26.1+
	540-639.9		65	2	67	2.9-
	640 and over		99		99	36.9-
	TOTAL		148527	618	149145	10.2-

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FOR IMMEDIATE RELEASE

December 15, 1981

ARI ANNOUNCES OCTOBER UNITARY SHIPMENTS

October U.S. shipments of unitary air-conditioners and heat pumps were 152,144. This was a decrease of 21.8% from October, 1980. Year-to-date shipments were 2,114,534, up 13.4% as compared to January-October figures a year ago.

Included in the total figures were October shipments of heat pumps which were 41,079. This is an increase of 8.9% compared to shipments in October, 1980. The cumulative shipments for heat pumps for the first 10 months of 1981 were 435,170. This is an increase of 23.1% over the same period of 1980.

October factory stocks are up 40,000 units over September and are up about 128,000 units compared to October, 1980.

October distributor shipments were down 30.5% from October a year ago. The year-to-date shipments are up .6%.

Distributor inventories are up 5,000 units compared to September and are up some 109,000 units over October, 1980.

October U.S. dollar bookings of Large Tonnage Liquid Chillers were up 25%, thus making the year-to-date up 18% compared with 1979.

October U.S. dollar bookings of reciprocating liquid chillers were up 40% with a year-to-date gain of 21%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date OCTOBER, 1981

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			
			CONDENSER-TYPE			
			AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHG FROM 1980
CONDENSED SUMMARY BY SIZE	Under 16.5		2300		2300	83.7+
	16.5-21.9		16631	18	16649	13.0-
	22-26.9		30129	11	30140	31.7-
	27-32.9		26303	3	26306	27.4-
	33-38.9		31187	78	31265	26.1-
	39-43.9		11160	18	11178	13.9-
	44-53.9		12971		12971	17.6-
	54-64.9		12916	148	13064	13.7-
	65-96.9		3131	73	3204	25.2+
	97-134.9		2137	70	2207	.2+
	135-184.9		1314	43	1357	5.2-
	185-249.9		554	31	585	20.9+
	250-319.9		271	13	284	6.9-
	320-379.9		195	19	214	1.8-
	380-539.9		178	4	182	7.6-
	540-639.9		121	1	122	45.2+
	640 and over		115	1	116	1.8+
	TOTAL		151613	531	152144	21.8-

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FOR IMMEDIATE RELEASE

January 6, 1982

ARI ANNOUNCES NOVEMBER UNITARY SHIPMENTS

Arlington, Virginia -- November U.S. shipments of unitary air-conditioners and heat pumps were 126,114. This was a decrease of 17.3% from November, 1980. Year-to-date shipments were 2,240,648, up 11.1% as compared to January-November figures a year ago.

Included in the total figures were November shipments of heat pumps which were 32,802. This is a decrease of 10.7% compared to shipments in November, 1980. The cumulative shipments for heat pumps for the first 11 months of 1981 were 467,972. This is an increase of 19.9% over the same period of 1980.

November factory stocks are up 20,000 units over October and are up about 146,000 units compared to October, 1980.

November distributor shipments were down 12.7% from November a year

ago. The year-to-date shipments reflect no significant difference from the January-November figures of 1980.

Distributor inventories are up 5,000 units compared to October and are up some 100,000 units over November, 1980.

November U.S. dollar bookings of Large Tonnage Liquid Chillers were down 12%, thus making the year-to-date up 16% compared with 1979.

November U.S. dollar bookings of reciprocating liquid chillers were down 31% with a year-to-date gain of 16%.

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AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date NOVEMBER, 1981

UNITED STATES

	SIZE BTUH (000)	NUMBER OF UNITS: CONDENSER-TYPE AIR OR EVAP. COOLED A	NUMBER OF UNITS: CONDENSER-TYPE WATER COOLED B	U.S. TOTAL C	% CHGE. FROM 1980
CONDENSED SUMMARY BY SIZE	Under 16.5	1210		121C	44.6-
	16.5-21.9	14728	9	14737	7.3-
	22-26.9	24683	11	24694	22.3-
	27-32.9	20532	14	2054c	24.2-
	33-38.9	25357	52	25409	18.9-
	39-43.9	9533	13	954c	22.3-
	44-53.9	10537		10537	14.9-
	54-64.9	12427	97	12524	1.7+
	65-96.9	2382	65	2447	16.7-
	97-134.9	1992	43	2035	11.3+
	135-184.9	1178	48	1226	11.3+
	185-249.9	334	33	367	32.2-
	250-319.9	249	24	273	17.8-
	320-379.9	162	13	175	10.3-
	380-539.9	157	18	175	25.9+
	540-639.9	86	7	93	3.1-
	640 and over	117	3	120	11.1-
	TOTAL	125664	450	126114	17.3-

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FOR IMMEDIATE RELEASE

March 12, 1982

ARI ANNOUNCES DECEMBER UNITARY SHIPMENTS

Arlington, Virginia -- December U.S shipments of unitary air conditioners and heat pumps were 126,835. This was a decrease of 15.2% from December 1980. Year-to-date shipments were 2,367,483, up 9.3% as compared to January/December figures a year ago.

Included in the total figures were December shipments of heat pumps which were 36,814. This is an increase of 13.1% compared to shipments in December 1980. The cumulative shipments for heat pumps for 1981 were 504,786. This is an increase of 13.9% over 1980.

December factory stocks are up 2,000 units over November and are up 116,000 units over December 1980.

December distributor shipments were down 4% from December a year ago. This year-to-date shipments are up 1%.

Distributor inventories are up some 49,000 units over December, 1980.

December U.S. dollar bookings of Large Tonnage Liquid Chillers were up 118%, thus making the year-to-date up 22% compared with 1980.

December U.S. dollar bookings of reciprocating liquid chillers were up 48% with a year-to-date gain of 18%.

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AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date DEC. YTD, 1981

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS				
			CONDENSER-TYPE		U.S. TOTAL C	% CHGE. FROM 1980	
			AIR OR EVAP. COOLED A	WATER COOLED B			
CONDENSED SUMMARY BY SIZE	Under 16.5		1582		1582	4.8-	
	16.5-21.9		13686	11	13697	11.7-	
	22-26.9		25480	5	25485	19.3-	
	27-32.9		20299	13	20312	21.7-	
	33-38.9		26372	42	26414	15.6-	
	39-43.9		8266	14	8280	26.0-	
	44-53.9		11371		11371	14.8-	
	54-64.9		11896	92	11988	2.8-	
	65-96.9		2741	36	2777	4.1+	
	97-134.9		2064	66	2130	26.4+	
	135-184.9		1180	46	1226	.2-	
	185-249.9		594	54	648	50.3+	
	250-319.9		284	19	303	3.4+	
	320-379.9		183	18	201	.5+	
	380-539.9		144	9	153	22.4+	
	540-639.9		119	8	127	101.6+	
	640 and over		133	8	141	16.5+	
	TOTAL		126394	441	126835	15.2-	

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FOR IMMEDIATE RELEASE March 24, 1982

ARI ANNOUNCES JANUARY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- January U.S. shipments of unitary air-conditioners and heat pumps were 127,995. This was a decrease of 32.2% from January, 1981.

Included in the total figures were January shipments of heat pumps which were 28,190. This is a decrease of 36.4% compared to shipments in January, 1981.

January factory stocks are down 31,000 units from December and are up about 87,000 units from January, 1981.

January distributor shipments were down 20% from January a year ago. Distributor inventories are up 11,000 units compared to December and are up some 16,000 units over January, 1981.

January U.S. dollar bookings of large tonnage liquid chillers were up 12%. January U.S. dollar bookings of reciprocating liquid chillers were up 1%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date JANUARY, 1982

UNITED STATES

CONDENSED SUMMARY BY SIZE

SIZE BTUH (000)	NUMBER OF UNITS			
	CONDENSER-TYPE		U.S. TOTAL C	% CHGE. FROM 1981
	AIR OR EVAP. COOLED A	WATER COOLED B		
Under 16.5	1076		1076	71.9-
16.5-21.9	13484	8	13492	28.5-
22-26.9	25678	3	25681	36.8-
27-32.9	23103	10	23113	35.2-
33-38.9	28016	42	28058	28.0-
39-43.9	8803	15	8818	34.4-
44-53.9	11258		11258	25.3-
54-64.9	10546	62	10608	29.1-
65-96.9	2258	81	2339	16.0-
97-134.9	1507	44	1551	23.8-
135-184.9	946	52	998	18.7-
185-249.9	296	30	326	30.6-
250-319.9	194	9	203	29.3-
320-379.9	147	5	152	27.3-
380-539.9	142	11	153	2.5-
540-639.9	74	5	79	16.8-
640 and over	87	3	90	29.7-
TOTAL	127615	380	127995	32.2-

AO300-1 4/22/82

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NEWS RELEASE
FOR IMMEDIATE RELEASE

April 19, 1982

ARI ANNOUNCES FEBRUARY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- February U.S. shipments of unitary air-conditioners and heat pumps were 122,988. This was a decrease of 37% from February, 1981. Year-to-date shipments were 250,983, down 34.7% as compared to January-February figures a year ago.

Included in the total figures were February shipments of heat pumps which were 25,293. This is a decrease of 37.6% compared to shipments in February, 1981. The cumulative shipments for heat pumps for the first two months of 1981 were 53,483. This is a decrease of 37% from the same period of 1981.

February factory stocks are up 57,000 units over January and are up about 157,000 units compared to February, 1981.

Distributor inventories are up 14,000 units compared to January and are down 6,000 units from February, 1981.

February U.S. dollar bookings of large tonnage liquid chillers were down 7% thus making the year-to-date down 8% compared with 1981.

Febuary U.S. dollar bookings of reciprocating liquid chillers were up 44% with a year-to-date gain of 23%.

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AIR-CONDITIONING AND REFRIGERATION INSTITUTE

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Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date FEB. 1982

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			% CHGE. FROM 1981
			CONDENSER-TYPE		U.S. TOTAL C	
			AIR OR EVAP. COOLED A	WATER COOLED B		
CONDENSED SUMMARY BY SIZE	Under 16.5		2295		2295	19.3-
	16.5-21.9		12059	12	12071	40.2-
	22-26.9		22930	2	22932	43.7-
	27-32.9		22407	13	22420	39.9-
	33-38.9		26906	24	26930	35.8-
	39-43.9		8492	18	8510	39.7-
	44-53.9		10651		10651	37.1-
	54-64.9		10381	82	10463	28.0-
	65-96.9		2420	31	2451	5.5-
	97-134.9		1722	41	1763	5.4-
	135-184.9		1083	15	1098	13.1-
	185-249.9		505	22	527	27.0+
	250-319.9		229	48	277	16.4+
	320-379.9		134	24	158	17.9+
	380-539.9		176	14	190	41.8+
	540-639.9		114	1	115	23.7+
	640 and over		137		137	53.9+
	TOTAL		122641	347	122988	37.0-

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May 25, 1982

FOR IMMEDIATE RELEASE

ARI ANNOUNCES MARCH UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- March U.S. shipments of unitary air-conditioners and heat pumps were 163,828. This was a decrease of 28.7% from March, 1981. Year-to-date shipments were 414,811, down 32.4% as compared to January-March figures a year ago.

Included in the total figures were March shipments of heat pumps which were 32,759. This is a decrease of 29.4% compared to shipments in March, 1981. The cumulative shipments for heat pumps for the first 3 months of 1982 were 86,242. This is a decrease of 34.3% from the same period of 1981.

March factory stocks are up 19,000 units over February and are up about 177,000 units compared to March, 1981.

March distributor shipments were down 22% from March a year ago. The year-to-date shipments are down 24%.

Distributor inventories are up 9,000 units compared to February and are down some 29,000 units from March, 1981.

March U.S. dollar bookings of Large Tonnage Liquid Chillers were up 10% thus making the year-to-date down 1% compared with 1981.

March U.S. dollars bookings of reciprocating liquid chillers were up 20% with a year-to-date gain of 21%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date MARCH, 1982

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			
			CONDENSER-TYPE			
			AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHGE. FROM 1981
CONDENSED SUMMARY BY SIZE	Under 16.5		2693		2693	23.2+
	16.5-21.9		13382	23	13405	31.6-
	22-26.9		29088	5	29093	34.6-
	27-32.9		30088	21	30109	35.9-
	33-38.9		36906	71	36977	32.2-
	39-43.9		14086	24	14110	20.4-
	44-53.9		14292		14292	26.4-
	54-64.9		14134	121	14255	15.9-
	65-96.9		3919	104	4023	30.2+
	97-134.9		2158	92	2250	.6+
	135-184.9		1238	32	1270	4.8+
	185-249.9		364	32	396	28.5-
	250-319.9		274	21	295	15.2-
	320-379.9		169	46	215	7.0+
	380-539.9		195	7	202	59.1+
	540-639.9		108	6	114	14.0+
	640 and over		125	4	129	17.3+
	TOTAL		163219	609	163828	28.7-

AO300-1 6/21/82

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NEWS RELEASE
FOR IMMEDIATE RELEASE

June 17, 1982

ARI ANNOUNCES APRIL UNITARY SHIPMENTS

ARLINGTON, VA. -- April U.S. shipments of unitary air-conditioners and heat pumps were 185,239. This was a decrease of 21.1% from April, 1981. Year-to-date shipments were 600,050, down 29.3% as compared to January-April figures a year ago.

Included in the total figures were April shipments of heat pumps which were 29,952. This is a decrease of 37.1% compared to shipments in April, 1981. The cumulative shipments for heat pumps for the first four months of 1982 were 116,194. This is a decrease of 35% from the same period of 1981.

April factory stocks are up 18,000 units over March and are up about 178,500 units compared to April, 1981.

April distributor shipments were down 31% from April a year ago. The year-to-date shipments are down 27%. Distributor inventories are up 8,000 units compared to March and are up some 1,000 units over April, 1981.

April U.S. dollar bookings of large tonnage liquid chillers were down 60% thus making the year-to-date down 25% compared with 1981.

April U.S. dollar bookings of reciprocating liquid chillers were down 23% with a year-to-date gain of 5%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date APRIL, 1982

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS				
			CONDENSER-TYPE		U.S. TOTAL C	% CHGE. FROM 1981	
			AIR OR EVAP. COOLED A	WATER COOLED B			
CONDENSED SUMMARY BY SIZE	Under 16.5		2548		2548	42.2+	
	16.5-21.9		11854	28	11882	43.1-	
	22-26.9		37539	12	37551	21.3-	
	27-32.9		34272	32	34304	26.5-	
	33-38.9		43753	114	43867	16.9-	
	39-43.9		14748	14	14762	21.2-	
	44-53.9		14047		14047	27.9-	
	54-64.9		16024	200	16224	6.0-	
	65-96.9		4697	113	4810	23.1+	
	97-134.9		2176	96	2272	10.6-	
	135-184.9		1371	48	1419	18.6-	
	185-249.9		592	29	621	18.7+	
	250-319.9		286	13	299	13.3-	
	320-379.9		223	18	241	36.9+	
	380-539.9		183	3	186	5.7+	
	540-639.9		103		103	21.2+	
	640 and over		103		103	19.5-	
	TOTAL		184519	720	185239	21.1-	

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FOR IMMEDIATE RELEASE

JULY 14, 1982

ARI REPORTS 1981 RESIDENTIAL INSTALLATIONS OF UNITARY EQUIPMENT INCREASED AND COMMERCIAL INSTALLATIONS DECREASED

ARLINGTON, VIRGINIA —— Shipments of unitary air-conditioning equipment for use in residential installations increased 6.3% in 1981 and commercial installations increased 20.8% from 1980 figures, the Air-Conditioning and Refrigeration Institute announced this week.

There were 1,828,991 residential units shipped last year, accounting for 77.3% of installations. A total of 538,492, or 22.7% were for commercial installations.

The 1981 figures are in marked contrast to those posted in 1953, the first year for which statistics were available, when 66.9% of total unitary

shipments went into commercial installations and only 33.1% into residential. However, the residential share passed the commercial portion two years later when it accounted for 56.5% of units shipped and has steadily drawn away from commercial installations.

The following tabulation shows the changing pattern in the shares of residential and commercial applications, and of exports, the latter first being reported in 1960.

		% of Total
1953		
Total	126,813	
Residential	41,992	33.1
Commercial	84,821	66.9
1954		
Total	160,909	
Residential	80,001	49.7
Commercial	80,908	50.3
1955		
Total	196,861	
Residential	111,158	56.5
Commercial	85,703	43.5
1956		
Total	254,403	
Residential	147,224	57.9
Commercial	107,179	42.1
1957		
Total	217,042	
Residential	126,071	58.1
Commercial	90,971	41.9
1958		
Total	230,541	
Residential	140,988	61.2
Commercial	89,553	38.8

1959			
	Total	306,814	
	Residential	191,923	62.6
	Commercial	114,891	37.4
1960			% of U.S.
	Total Shipments	350,442	
	Export	9,300	
	Total U.S.	341,122	
	Residential	217,148	63.7
	Commercial	123,974	36.3
1961			
	Total Shipments	365,764	
	Export	9,558	
	Total U.S.	356,206	
	Residential	238,206	66.9
	Commercial	118,000	33.1
1962			
	Total Shipments	467,719	
	Export	12,211	
	Total U.S.	455,508	
	Residential	305,190	67.0
	Commercial	150,318	33.0
1963			
	Total Shipments	580,099	
	Export	14,444	
	Total U.S.	565,655	
	Residentail	400,759	70.8
	Commercial	164,896	29.2
1964			
	Total Shipments	701,569	
	Export	17,233	
	Total U.S.	684,336	
	Residential	483,593	70.7
	Commercial	200,743	29.3
1965			
	Total Shipments	826,422	
	Export	20,682	
	Total U.S.	805,740	
	Residential	580,997	72.1
	Commercial	224,743	27.9

		% of U.S.
1966		
Total Shipments	958,546	
Export	20,663	
Total U.S.	937,883	
Residential	652,736	69.6
Commercial	285,147	30.4
1967		
Total Shipments	1,047,231	
Export	25,179	
Total U.S.	1,022,052	
Residential	714,025	69.9
Commercial	308,027	30.1
1968		
Total Shipments	1,234,611	
Export	30,412	
Total U.S.	1,204,199	
Residential	847,387	70.4
Commercial	356,812	29.6
1969		
Total Shipments	1,635,025	
Export	33,681	
Total U.S.	1,601,344	
Residential	1,174,570	73.3
Commercial	426,774	26.7
1970		
Total Shipments	1,616,018	
Export	44,027	
Total U.S.	1,571,991	
Residential	1,172,223	74.6
Commercial	399,768	25.4
1971		
Total Shipments	1,876,879	
Export	43,561	
Total U.S.	1,833,318	
Residential	1,408,413	76.8
Commercial	424,905	23.2
1972		
Total Shipments	2,436,455	
Export	44,125	
Total U.S.	2,392,330	
Residential	1,826,519	76.3
Commercial	565,811	23.7

		% of U.S.
1973		
Total Shipments	2,839,434	
Export	71,642	
Total U.S.	2,767,792	
Residential	2,147,546	77.6
Commercial	620,246	22.4
1974		
Total Shipments	2,488,828	
Export	99,404	
Total U.S.	2,389,424	
Residential	1,889,577	79.1
Commercial	499,847	20.9
1975		
Total Shipments	1,622,497	
Export	81,013	
Total U.S.	1,541,484	
Residential	1,174,578	76.2
Commercial	366,906	23.8
1976		
Total Shipments	2,327,559	
Export	168,349	
Total U.S.	2,159,210	
Residential	1,700,682	78.8
Commercial	458,528	21.2
1977		
Total Shipments	2,615,121	
Export	150,681	
Total U.S.	2,464,440	
Residential	1,999,924	81.2
Commercial	464,516	18.8
1978		
Total Shipments	2,821,479	
Export	106,842	
Total U.S.	2,714,637	
Residential	2,284,530	84.2
Commercial	430,107	15.8

1979		% of U.S.
Total Shipments	2,793,910	
Export	113,313	
Total U.S.	2,680,597	
Residential	2,158,237	80.5
Commercial	522,360	19.5
1980		
Total Shipments	2,293,080	
Export	126,366	
Total U.S.	2,166,714	
Residential	1,720,849	79.4
Commercial	445,865	20.6
1981		
Total Shipments	2,498,252	
Export	130,769	
Total U.S.	2,367,483	
Residential	1,828,991	77.3
Commercial	538,492	22.7

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News

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For further information contact: Lane Johnston or Susan Queeney (703) 524-8800 Telex: 89-2351

FOR IMMEDIATE RELEASE

July 14, 1982

ARI REPORTS VALUE OF UNITARY AIR-CONDITIONING EQUIPMENT $6.8 BILLION DURING 1981

ARLINGTON, VIRGINIA —— The installed value of unitary air-conditioning equipment in the United States during 1981 increased by 31.3% from the 1980 installed value, the Air-Conditioning and Refrigeration Institute reported recently.

Installed value of unitary equipment reached $6,811,553,407 up from the 1980 figure of $5,186,009,664.

Commercial installation accounted for $2,560,644,264 of the total while residential unitary installed value came to $4,250,909,143, according to estimates compiled by ARI's Business Research Department from information supplied by manufacturers.

"Installed value" covers not only the cost of unitary air-conditioners as shipped from the factory, but also labor, ductwork, registers and grilles, thermostatic and other controls, electrical wiring and other components of the system which is engineered by the contractor or dealer.

"Unitary" represents the equipment used in most central residential installations plus some commercial and industrial installations which use packaged equipment.

The totals below show the growth of the unitary air-conditioning market over the past 26 years, particular central residential installations:

ESTIMATED INSTALLED VALUE OF UNITARY AIR-CONDITIONERS

YEAR	RESIDENTIAL	COMMERCIAL	TOTAL
1956	$ 174,011,400	$ 290,796,100	$ 464,807,500
1957	176,230,800	226,582,300	402,813,100
1958	204,602,850	219,489,200	424,092,050
1959	266,675,850	283,136,700	549,812,550
1960	318,477,150	312,648,350	631,125,500
1961	338,139,000	280,286,300	618,425,300
1962	408,623,850	345,652,300	754,276,150
1963	451,360,800	390,610,800	841,971,600
1964	532,020,800	464,249,600	996,270,400
1965	632,567,600	543,029,600	1,175,597,200
1966	718,252,000	671,604,400	1,389,856,400
1967	783,604,000	749,020,000	1,532,624,000
1968	950,191,600	834,616,000	1,784,807,600
1969	1,295,766,400	981,417,200	2,277,183,600
1970	1,360,817,315	986,784,758	2,347,602,073
1971	1,649,497,029	1,095,759,074	2,745,256,103
1972	2,163,792,878	1,352,464,750	3,516,257,628
1973	2,582,223,238	1,570,293,453	4,152,516,691
1974	2,433,902,714	1,477,470,080	3,911,372,794
1975	1,791,216,492	1,164,231,182	2,955,447,674
1976	2,683,372,806	1,437,146,797	4,120,519,603
1977	3,264,487,814	1,541,671,701	4,806,159,515
1978	3,940,958,613	1,587,475,305	5,528,433,918
1979	3,990,624,988	1,945,812,933	5,936,442,921
1980	3,355,429,440	1,830,580,224	5,186,009,644
1981	4,250,909,143	2,560,644,264	6,811,553,407

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FOR IMMEDIATE RELEASE July 15, 1982

ARI ANNOUNCES MAY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- May U.S. shipments of unitary air-conditioners and heat pumps were 192,293. This was a decrease of 20.2% from May, 1981. Year-to-date shipments were 792,343, down 27.3% as compared to January-May figures a year ago.

Included in the total figures were May shipments of heat pumps which were 36,098. This is a decrease of 21.3% compared to shipments in May, 1981. The cumulative shipments for heat pumps for the first five months of 1982 were 152,292. This is a decrease of 32.2% from the same period of 1981.

May factory stocks are down 21,000 units from April and are up about 171,000 units compared to May, 1981.

May distributor shipments were down 18% from May a year ago. The year-to-date shipments are down 25%. Distributor inventories are up 15,000 units compared to April and are down some 8,500 units from May, 1981.

May U.S. dollar bookings of hermetic centrifugals were up 54%, thus making the year-to-date down 24% compared with 1981.

May U.S. dollar bookings of reciprocating liquid chillers were up 30% with a year-to-date gain of 8%.

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AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date MAY, 1982

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS: CONDENSER-TYPE AIR OR EVAP. COOLED A.	NUMBER OF UNITS: CONDENSER-TYPE WATER COOLED B	U.S. TOTAL C	% CHGE. FROM 1981
CONDENSED SUMMARY BY SIZE	Under 16.5		2101		2101	11.7-
	16.5-21.9		20960	38	20998	11.3+
	22-26.9		38004	7	38011	18.4-
	27-32.9		34630	60	34690	24.0-
	33-38.9		43926	102	44028	19.4-
	39-43.9		13374	65	13439	43.7-
	44-53.9		14814		14814	22.2-
	54-64.9		15342	203	15545	18.7-
	65-96.9		3458	93	3551	31.4-
	97-134.9		2200	102	2302	16.9-
	135-184.9		1364	46	1410	12.6-
	185-249.9		450	20	470	8.2-
	250-319.9		279	8	287	2.1+
	320-379.9		232	11	243	30.6+
	380-539.9		148	8	156	5.4+
	540-639.9		110	14	124	.8+
	640 and over		121	3	124	7.5-
	TOTAL		191513	780	192293	20.2-

A0300-1 8/16/82

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FOR IMMEDIATE RELEASE AUGUST 12, 1982

ARI ANNOUNCES JUNE UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- June U.S. shipments of unitary air-conditioners and heat pumps were 207,498. This was a decrease of 25.8% from June, 1981. Year-to-date shipments were 999,841, down 27% compared to January-June figures a year ago.

Included in the total figures were June shipments of heat pumps which were 34,255. This is a decrease of 32.4% compared to shipments in June, 1981. The cumulative shipments for heat pumps for the first six months of 1982 were 186,547. This is a decrease of 32.2% from the same period of 1981.

June factory stocks are down 48,800 units from May and are up about 132,500 units compared to June, 1981.

June distributor shipments were down 25% from June a year ago. The year-to-date shipments are down 25%. Distributor inventories are up 14,700 units compared to May and are down some 8,600 units from June, 1981.

June U.S. dollar bookings of hermetic centrifugals were down 2%, thus making the year-to-date down 21% compared with 1981.

June U.S. dollar bookings of reciprocating liquid chillers were up 15% with a year-to-date gain of 10%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date JUNE, 1982

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS							
			CONDENSER-TYPE		U.S. TOTAL C	% CHGE. FROM 1981				
			AIR OR EVAP. COOLED A	WATER COOLED B						
CONDENSED SUMMARY BY SIZE	Under 16.5		2861		2861	18.2-				
	16.5-21.9		20160	14	20174	3.5-				
	22-26.9		41969	6	41975	20.9-				
	27-32.9		33788	36	33824	39.1-				
	33-38.9		45935	110	46045	32.9-				
	39-43.9		15860	25	15885	23.0-				
	44-53.9		17574		17574	23.9-				
	54-64.9		18878	290	19168	16.9-				
	65-96.9		3694	182	3876	11.6-				
	97-134.9		2886	101	2987	5.0-				
	135-184.9		1479	92	1571	18.8-				
	185-249.9		618	19	637	11.8+				
	250-319.9		316	33	349	20.7-				
	320-379.9		176	14	190	25.5-				
	380-539.9		136	1	137	26.3-				
	540-639.9		79	2	81	29.6-				
	640 and over		151	13	164	60.8+				
	TOTAL		206560	938	207498	25.8-				

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FOR IMMEDIATE RELEASE
May 1, 1981

1980 INSTALLED VALUE OF FIELD-ENGINEERED EQUIPMENT

ARLINGTON, VIRGINIA ---- The installed value of field-engineered air-conditioning systems put in place in the U.S. during 1980 showed an increase over the 1979 figure, the Air-Conditioning and Refrigeration Institute announced this week.

The "installed" value estimate for 1980 was $3,438,600,000, an increase of 40.5% over the 1979 figure of $2,447,173,000.

The estimate for installed value of unitary equipment in 1980 announced earlier by ARI, was $5,186,009,664, a decrease of 12.6% compared to the 1979 unitary installed value. The combination of the two installed value figures for 1980, therefore, resulted in a total of $8,624,609,644, for all air-conditioning put in place last year, with the exception of window air-conditioners. This is an increase of 2.9% over the 1979 figures.

In determining the installed value figure for field-engineered systems, it is estimated that only 7.5% of the cost of a system represents the basic refrigeration machine while the remaining 92.5% represents air-handling equipment, labor, ducts, controls, plumbing and all other installation costs.

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28/81

1969	$ 1,999,267,000
1970	$ 2,136,040,000
1971	$ 2,120,120,000
1972	$ 1,945,293,000
1973	$ 1,968,547,000
1974	$ 2,082,507,000
1975	$ 2,308,494,000
1976	$ 1,915,227,000
1977	$ 1,969,920,000
1978	$ 2,066,920,000
1979	$ 2,447,173,000
1980	$ 3,438,600,000

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28/81

A0300-1 8/25/82

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FOR IMMEDIATE RELEASE

AUGUST 18, 1982

1981 INSTALLED VALUE OF FIELD-ENGINEERED EQUIPMENT

ARLINGTON, VIRIGINIA -- The installed value of field-engineered air-conditioning systems put in place in the U.S. during 1981 showed an increase over the 1980 figure, the Air-Conditioning and Refrigeration Institute announced this week.

The "installed" value estimate for 1981 was $3,669,120,000 an increase of 6.7% over the 1980 figure of $3,438,600,000.

The estimate for installed value of unitary equipment in 1981 announced earlier by ARI, was $6,811,553,407, an increase of 31.3% compared to the 1980 unitary installed value. The combination of the two installed value figures for 1981, therefore, resulted in a total of $10,480,673,407, for all air-conditioning put in place last year, with the exception of window air-conditioners. This is an increase of 21.5% over the 1980 figures.

In determining the installed value figure for field-engineered systems, it is estimated that only 7.5% of the cost of a system represents the basic refrigeration machine while the remaining 92.5% represents air-handling equipment, labor, ducts, controls, plumbing and all other installation costs.

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1981 INSTALLED VALUE OF FIELD-
ENGINEERED EQUIPMENT
AUGUST 18, 1982

1969	$ 1,999,267,000
1970	$ 2,136,040,000
1971	$ 2,120,120,000
1972	$ 1,945,293,000
1973	$ 1,968,547,000
1974	$ 2,082,507,000
1975	$ 2,308,494,000
1976	$ 1,915,227,000
1977	$ 1,969,920,000
1978	$ 2,066,920,000
1979	$ 2,447,173,000
1980	$ 3,438,600,000
1981	$ 3,669,120,000

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NEWS RELEASE

FOR IMMEDIATE RELEASE SEPTEMBER 24, 1982

ARI ANNOUNCES JULY UNITARY SHIPMENTS

ARLINGTON, VIRGINIA -- July U.S. shipments of unitary air-conditioners and heat pumps were 193,410. This was a decrease of 29.4% from July, 1981. Year-to-date shipments were 1,198,581, down 27.1% as compared to January-July figures a year ago.

Included in the total figures were July shipments of heat pumps which were 38,646. This is a decrease of 26.1% compared to shipments in July, 1981. The cumulative shipments for heat pumps for the first seven months of 1982 were 225,546. This is a decrease of 31.2% from the same period of 1981.

July factory stocks are down 70,000 units from June and are up about 54,000 units compared to July 1981.

July distributor shipments were down 29% from July a year ago. The year-to-date shipments are down 26%. Distributor inventories are down 6,000 units compared to June and are down some 9,000 units from July, 1981.

July U.S. dollar bookings of hermetic centrifugals were up 42%, thus making

the year-to-date down 14% compared with 1981.

July U.S. dollar bookings of reciprocating liquid chillers were up 20% with a year-to-date gain of 11%.

AIR-CONDITIONING AND REFRIGERATION INSTITUTE

1815 North Fort Myer Drive, Arlington, Virginia 22209

Unitary Heating and Cooling Section's Condensed Summary by Size of United States Manufacturers' Shipments Expanded to Industry

Date JULY, 1982

UNITED STATES

	SIZE BTUH (000)		NUMBER OF UNITS			
			CONDENSER-TYPE			
			AIR OR EVAP. COOLED A	WATER COOLED B	U.S. TOTAL C	% CHGE FROM 1981
CONDENSED SUMMARY BY SIZE	Under 16.5		2943		2948	10.6+
	16.5-21.9		15911	13	15924	31.3-
	22-26.9		35433	10	35443	36.8-
	27-32.9		33329	30	33359	34.2-
	33-38.9		45876	109	45985	28.1-
	39-43.9		14799	26	14825	26.5-
	44-53.9		17009		17009	27.5-
	54-64.9		17919	203	18122	19.2-
	65-96.9		3598	116	3714	12.9-
	97-134.9		2742	64	2806	14.1-
	135-184.9		1615	58	1673	12.2-
	185-249.9		584	30	614	12.2-
	250-319.9		305	21	326	13.3-
	320-379.9		260	6	266	24.3+
	380-539.9		165	9	174	4.4-
	540-639.9		99	4	103	8.0-
	640 and over		112	7	119	7.2+
	TOTAL		192694	716	193410	29.4-